INTERNATIONAL SARCH REPORT

Internation Molication No. PCT/JP03/07506

A. CLASS	IFICATION OF SUBJECT MATTER C1 H01R24/02, H01R13/46	10/	517302		
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS	SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ H01R24/02, H01R13/46, H01R35/04					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922–1996 Jitsuyo Shinan Toroku Koho 1996–2003 Kokai Jitsuyo Shinan Koho 1971–2003 Toroku Jitsuyo Shinan Koho 1994–2003					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)					
C. DOCUM	MENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where app		Relevant to claim No.		
Y A	CD-ROM of the specification at the request of Japanese Utility 41879/1992 (Laid-open No. 9497 (Taiyo Yuden Co., Ltd.), 24 December, 1993 (24.12.93), Full text; Figs. 1 to 5 (Family: none)	y Model Application No. (4/1993)	. 1,2 3-5		
Y A	Microfilm of the specification to the request of Japanese Uti No. 168706/1981 (Laid-open No. (Tokyo Shibaura Electric Co., 18 May, 1983 (18.05.83), Full text; Figs. 1 to 2 (Family: none)	lity Model Application (73584/1983)	1,2 3-5		
Furth	er documents are listed in the continuation of Box C.	See patent family annex.	<u> </u>		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed		"T" later document published after the interpriority date and not in conflict with the understand the principle or theory understand the considered novel or cannot be considered novel or cannot be considered to involve an inventive ste combined with one or more other such combination being obvious to a person document member of the same patent. Date of mailing of the international sear	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art		
Name and n	nailing address of the ISA/ anese Patent Office	Authorized officer			

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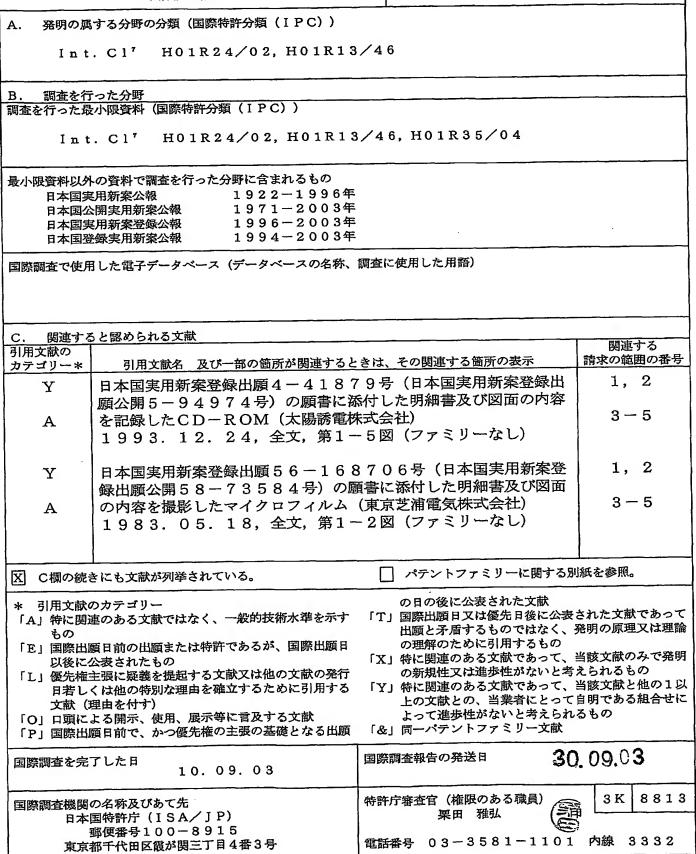


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	(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT (Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.				
P, X	Citation of document, with indication, where appropriate, of the relevant passages JP 2002-170638 A (Matsushita Electric Works,	1,2			
	Ltd.), 14 June, 2002 (14.06.02), Full text; Figs. 1 to 7 (Family: none)				
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国際調查報告

国際出願番号 PCT/JP03/07506

C(続き)	. 関連すると認められる文献		
引用文献の		関連する 請求の範囲の番号	
カテゴリー* PX	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示 JP 2002-170638 A (松下電工株式会社) 2002.06.14,全文,第1-7図(ファミリーなし)	1, 2	